

WHAT IS CLAIMED IS:

1. An optical film comprising:
a polarizing plate having a protective layer on at least one side of a
5 polarizer; and
a brightness-enhanced film laminated to the polarizing plate, wherein
when the optical film is cut into a 25 mm × 150 mm strip-shape and the strip-
shaped film is bent at a center of the film so that both ends in a longitudinal
direction of the optical film approach each other and the distance between the
10 both ends is 50 mm, the force applied to one end of the film is 0.20 N or less.
2. The optical film according to claim 1, wherein the brightness-
enhanced film comprises a reflecting and a polarization separating function.
- 15 3. The optical film according to claim 1, wherein the brightness-
enhanced film comprises a Granjern structured liquid crystal polymer layer
having a circular polarization separating function and a quarter wavelength
plate.
- 20 4. The optical film according to claim 1, wherein the brightness-
enhanced film comprises a linear polarization separating function using
reflection at each interface of a multilayer film.
- 25 5. The optical film according to claim 1, wherein the polarizing plate and
the brightness-enhanced film are laminated by an adhesive layer.
6. The optical film according to claim 3, wherein the liquid crystal
polymer layer is disposed on a protective layer made of a cellulose-based film.
- 30 7. The optical film according to claim 1, wherein the thickness of the
protective layer of the polarizing plate and a base material of the brightness-
enhanced film is 50 μm or less.
- 35 8. The optical film according to claim 1, further comprising a retardation
film and a viewing angle enlarging film laminated to at least one side of the
optical film.

9. A liquid crystal display comprising: a liquid crystal cell; an optical film on at least one side of the liquid crystal cell, the optical film comprising: a polarizing plate having a protective layer on at least one side of a polarizer; and

5 a brightness-enhanced film laminated to the polarizing plate, wherein when the optical film is cut into a 25 mm × 150 mm strip-shape and the strip-shaped film is bent at a center of the film so that both ends in a longitudinal direction of the optical film are allowed to approach each other and the distance between the both ends becomes 50 mm, the force applied to one end 10 of the film is 0.20 N or less.

10. The liquid crystal display according to claim 9, wherein the brightness-enhanced film comprises a reflecting and a polarization separating function.

15 11. The liquid crystal display according to claim 9, wherein the brightness-enhanced film comprises a Granjern structured liquid crystal polymer layer having a circular polarization separating function and a quarter wavelength plate.

20 12. The liquid crystal display according to claim 9, wherein the brightness-enhanced film comprises a linear polarization separating function using reflection at each interface of a multilayer film.

25 13. The liquid crystal display according to claim 9, wherein the polarizing plate and the brightness-enhanced film are laminated by an adhesive layer.

14. The liquid crystal display according to claim 11, wherein the liquid crystal polymer layer is disposed on a protective layer made of a cellulose-based film.

30 15. The liquid crystal display according to claim 9, wherein the thickness of the protective layer of the polarizing plate and a base material of the brightness-enhanced film is 50 µm or less.

35 16. The liquid crystal display according to claim 9, wherein a retardation film and a viewing angle enlarging film are laminated to at least one side of

the optical film.

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